Secure Integration

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Using URIs

1. Write a tokenizer for RFC 8905 URIs
   - The tokenizer must reject malformed URIs
   - Output the payment method and target account
   - Output standardized optional arguments (amount, message, instruction, receiver, sender)
   - Validate target accounts in at least one registered schema (ach, bic, iban, etc., but not void)

Test vectors:

   payto://iban/DE75512108001245126199?amount=EUR:200.0&message=hello
   payto://iban/SANDBOX/DE75512108001245126198?receiver-name=Dude
   payto://bitcoin/12A1MyfXbWR6RhdRAZeQofac5jCQQjwEPBu?amount=BTC:0,42
   payto://bitcoin/tb1qxzjp3xmdk6ghyddpj1fmj06d9wpw9jptq5c6zt

Which one(s) of the above are valid?

2. payto:// URIs are not always normalized!

For some applications (like duplicate detection) it is desirable for URIs to be normalized, that is byte-by-byte unique for the same target. Ignoring the optional arguments (which are obviously going to vary for different transactions), point out where payto:// URIs are not normalized.